Table ENG-4. - Building Site Development

Warren County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

| Map Symbol and Soil Name | Pct of | Local Roads and Streets | | | Shallow Excavations | | |
|--------------------------|-------------|---|-------|---------------------------------------|------------------------|---------------------------------------|--------------|
| und don Name | Map Unit | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 1B: | 0.5 | O a managed and through a d | | Manager Baseliand | | O a manage to the standard | |
| Berks | 85 | Somewhat limited Depth to hard bedrock | 0.46 | Very limited | 1.00 | Somewhat limited Droughty | 0.96 |
| | | Depth to hard bedrock | 0.40 | Depth to hard bedrock Cutbanks cave | 0.10 | Depth to bedrock | 0.96 |
| | | | | GatBarino Gavo | 0.10 | Gravel content | <0.01 |
| 1C: | | | | | | | |
| Berks | 85 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Depth to hard bedrock | 0.46 | Depth to hard bedrock | 1.00 | Droughty | 0.96 |
| | | Slope | 0.37 | Slope | 0.37 | Depth to bedrock | 0.46 |
| | | | | Cutbanks cave | 0.10 | Slope | 0.37 |
| 1D: | | | | | | | |
| Berks | 85 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Depth to hard bedrock | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 0.46 | Slope Cutbanks cave | 1.00 0.10 | Droughty Depth to bedrock | 0.96 0.46 |
| 2B: | | | | | | | |
| Blairton | 75 | Very limited | | Very limited | | Somewhat limited | |
| | | Frost action | 1.00 | Depth to hard bedrock | 1.00 | Depth to saturated | 0.48 |
| | | Low strength | 0.78 | Depth to saturated | 1.00 | zone | |
| | | Depth to saturated zone | 0.48 | zone Cutbanks cave | 0.10 | Depth to bedrock Droughty | 0.46 0.31 |
| 2C: | | | | | | | |
| Blairton | 75 | Very limited | | Very limited | | Somewhat limited | |
| | | Frost action | 1.00 | Depth to hard bedrock | 1.00 | Depth to saturated | 0.48 |
| | | Low strength | 0.78 | Depth to saturated | 1.00 | zone | |
| | | Depth to saturated | 0.48 | zone | | Depth to bedrock | 0.46 |
| | | zone | | Slope | 0.37 | Slope | 0.37 |
| 3C: Buchanan | 75 | Varylimited | | Vorylimited | | Vanylimitad | |
| Duchanan | 75 | Very limited Depth to thick | 1.00 | Very limited Depth to thick | 1.00 | Very limited Depth to cemented | 1.00 |
| | | cemented pan | 1.00 | cemented pan | 1.00 | pan | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | Droughty | 0.57 |
| | | Depth to saturated zone | 0.48 | Depth to saturated zone | 1.00 | Depth to saturated zone | 0.48 |
| 4C: | | | | | | | |
| Buchanan | 80 | Very limited | | Very limited | | Very limited | |
| | | Depth to thick cemented pan | 1.00 | Depth to thick cemented pan | 1.00 | Depth to cemented pan | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | Droughty | 0.57 |
| | | Depth to saturated zone | 0.48 | Depth to saturated zone | 1.00 | Depth to saturated zone | 0.48 |

| Map Symbol and Soil Name | Pct of | Local Roads and Streets | | Shallow Excavations | | Lawns and Landscaping | |
|-----------------------------|-------------|---------------------------------------|--------------|---------------------------------------|--------------|---------------------------------------|--------------|
| and don Name | Map Unit | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 5: | | Many Haritand | | Manual Brasiliand | | O a manage of the stand | |
| Buckton | 90 | Very limited | 1.00 | Very limited Cutbanks cave | 1 00 | Somewhat limited | 0.60 |
| | | Flooding Low strength | 1.00 1.00 | Flooding | 1.00 0.60 | Flooding | 0.60 |
| | | Frost action | 0.50 | riodding | 0.00 | | |
| Wet spots | 5 | Not Rated | | Not Rated | | Not Rated | |
| 6C: | | | | | | | |
| Carbo | 50 | Very limited | | Very limited | | Somewhat limited | |
| | | Low strength | 1.00 | Depth to hard bedrock | 1.00 | Depth to bedrock | 0.46 |
| | | Shrink-swell | 1.00 | Too clayey | 1.00 | Slope | 0.37 |
| | | Frost action | 0.50 | Slope | 0.37 | | |
| Endcav | 45 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Too clayey | 0.97 | Slope | 0.37 |
| | | Shrink-swell Frost action | 1.00 | Depth to hard bedrock | 0.42 0.37 | | |
| | | Frost action | 0.50 | Slope | 0.37 | | |
| 7C: | | | | | | | |
| Carbo | 35 | Very limited | | Very limited | | Somewhat limited | |
| | | Low strength | 1.00 | Depth to hard bedrock | 1.00 | Depth to bedrock | 0.46 0.37 |
| | | Shrink-swell Frost action | 1.00 0.50 | Too clayey Slope | 1.00 0.37 | Slope | 0.37 |
| Endcav | 30 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Too clayey | 0.97 | Slope | 0.37 |
| | | Shrink-swell | 1.00 | Depth to hard bedrock | 0.42 | | |
| | | Frost action | 0.50 | Slope | 0.37 | | |
| Rock outcrop | 30 | Not Rated | | Not Rated | | Not Rated | |
| 8C: | | | | | | | |
| Cataska | 85 | Somewhat limited | | Very limited | | Very limited | |
| | | Depth to soft bedrock | 1.00 | Depth to soft bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Frost action Slope | 0.50 0.37 | Slope Cutbanks cave | 0.37 0.10 | Droughty Slope | 1.00 0.37 |
| | | Slope | 0.37 | Culbanks cave | 0.10 | Slope | 0.57 |
| 8D: | | | | | | | |
| Cataska | 85 | Very limited | 4.00 | Very limited | 4.00 | Very limited | 4.00 |
| | | Slope Depth to soft bedrock | 1.00 1.00 | Depth to soft bedrock Slope | 1.00 1.00 | Depth to bedrock Slope | 1.00 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Droughty | 1.00 |
| 8E: | | | | | | | |
| Cataska | 85 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Depth to soft bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Depth to soft bedrock | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Droughty | 1.00 |
| 9: | | | | | | | |

| Map Symbol and Soil Name | Local Roads Pct and Streets of | | | Shallow Excavations | | Lawns and Landscaping | | |
|-----------------------------|--------------------------------|---------------------------------------|--------------|---------------------------------------|--------------|---------------------------------------|-------|--|
| and John Name | Map Unit | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value | |
| 9: | | Mam. Himsita d | | Company to at live its a | | Manus limaita d | | |
| Chagrin | 80 | Very limited | 4.00 | Somewhat limited | 0.00 | Very limited | 4.00 | |
| | | Flooding Frost action | 1.00 0.50 | Flooding Depth to saturated zone | 0.80 0.15 | Flooding | 1.00 | |
| | | | | Cutbanks cave | 0.10 | | | |
| Wet spots | 5 | Not Rated | | Not Rated | | Not Rated | | |
| 10C: | | | | | | | | |
| Chester | 80 | Very limited | | Somewhat limited | | Somewhat limited | | |
| | | Low strength | 1.00 | Slope | 0.37 | Slope | 0.37 | |
| | | Frost action Slope | 0.50 0.37 | Cutbanks cave | 0.10 | Content of large stones | <0.01 | |
| 10D: | | | | | | | | |
| Chester | 80 | Very limited | | Very limited | | Very limited | | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 | |
| | | Low strength Frost action | 1.00 0.50 | Cutbanks cave | 0.10 | Content of large stones | <0.01 | |
| 10E: | | | | | | | | |
| Chester | 80 | Very limited | | Very limited | | Very limited | | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 | |
| | | Low strength Frost action | 1.00 0.50 | Cutbanks cave | 0.10 | Content of large stones | <0.01 | |
| 11D: | | | | | | | | |
| Chester | 50 | Very limited | | Very limited | | Very limited | | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 | |
| | | Low strength Frost action | 1.00 0.50 | Depth to saturated zone | 0.16 | Content of large stones | <0.01 | |
| | | | | Cutbanks cave | 0.10 | | | |
| Manor | 30 | Very limited | | Very limited | | Very limited | | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 | |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Content of large stones | 0.05 | |
| 11E: | | | | | | | | |
| Chester | 45 | Very limited | | Very limited | | Very limited | | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 | |
| | | Low strength | 1.00 | Depth to saturated | 0.16 | Content of large | <0.01 | |
| | | Frost action | 0.50 | zone Cutbanks cave | 0.10 | stones | | |
| Manor | 35 | Very limited | | Very limited | | Very limited | | |
| | 00 | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 | |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Content of large stones | 0.05 | |
| 12D: | | | | | | | | |

| Map Symbol and Soil Name | Pct of | Local Roads and Streets | | | | Lawns and Landscaping | |
|-----------------------------|-------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| and Soil Name | Map Unit | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 12D: | • | | | | | | |
| Chilhowie | 75 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Depth to hard bedrock | 1.00 | Slope | 1.00 |
| | | Low strength | 1.00 | Slope | 1.00 | Depth to bedrock | 0.95 |
| | | Shrink-swell | 1.00 | Too clayey | 1.00 | Droughty | 0.68 |
| 13B: | | | | | | | |
| Clearbrook | 80 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Shrink-swell | 0.50 | Depth to saturated | 1.00 | Droughty | 0.56 |
| | | Frost action | 0.50 | zone | | Depth to saturated | 0.48 |
| | | Depth to saturated | 0.48 | Depth to soft bedrock | 0.46 | zone | |
| | | zone | | Cutbanks cave | 0.10 | Depth to bedrock | 0.46 |
| 13C: | | | | | | | |
| Clearbrook | 80 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Shrink-swell | 0.50 | Depth to saturated | 1.00 | Droughty | 0.56 |
| | | Frost action | 0.50 | zone | | Depth to saturated | 0.48 |
| | | Depth to saturated | 0.48 | Depth to soft bedrock | 0.46 | zone | |
| | | zone | | Slope | 0.37 | Depth to bedrock | 0.46 |
| 14: | | | | | | | |
| Craigsville | 85 | Very limited | | Somewhat limited | | Very limited | |
| | | Flooding | 1.00 | Flooding | 0.80 | Flooding | 1.00 |
| | | Content of large | 0.72 | Content of large | 0.72 | Content of large | 0.20 |
| | | stones | 0.50 | stones | 0.40 | stones | 0.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Gravel content | 0.09 |
| Wet spots | 5 | Not Rated | | Not Rated | | Not Rated | |
| 15E: | | | | | | | |
| Dekalb | 80 | Very limited | | Very limited | | Very limited | |
| 2010.13 | | Slope | 1.00 | Depth to hard bedrock | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 0.46 | Slope | 1.00 | Droughty | 0.74 |
| | | • | | Cutbanks cave | 0.10 | Gravel content | 0.56 |
| 16E· | | | | | | | |
| 16F: Drall | 50 | Very limited | | Very limited | | Very limited | |
| Diali | 30 | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Оюре | 1.00 | Cutbanks cave | 1.00 | Gravel content | 1.00 |
| | | | | Depth to hard bedrock | 0.42 | Droughty | 0.42 |
| | | | | | | | |
| Rubble land | 25 | Not Rated | | Not Rated | | Not Rated | |
| 17B: | | | | | | | |
| Dyke | 85 | Very limited | | Somewhat limited | | Not limited | |
| <i>y</i> - | J U | Low strength | 1.00 | Too clayey | 0.72 | | |
| | | Shrink-swell | 0.50 | Cutbanks cave | 0.10 | | |
| | | Frost action | 0.50 | | | | |
| 470 | | | | | | | |
| 17C: | | | | | | | |

| Map Symbol and Soil Name | Pct of | Local Roads and Streets | | Shallow Excavations | | Lawns and Landscaping | |
|-----------------------------|-------------|---------------------------------------|--------------|---------------------------------------|--------------|---------------------------------------|--------------|
| and con Hame | Map Unit | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 17C: | | ., | | | | | |
| Dyke | 85 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Too clayey | 0.72 | Slope | 0.37 |
| | | Shrink-swell Frost action | 0.50 0.50 | Slope Cutbanks cave | 0.37 0.10 | | |
| 18B: | | | | | | | |
| Endcav | 90 | Very limited | | Somewhat limited | | Not limited | |
| | | Low strength | 1.00 | Too clayey | 0.97 | | |
| | | Shrink-swell | 1.00 | Depth to hard bedrock | 0.42 | | |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| 18C: | | | | | | | |
| Endcav | 90 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Too clayey | 0.97 | Slope | 0.37 |
| | | Shrink-swell | 1.00 | Depth to hard bedrock | 0.42 | | |
| | | Frost action | 0.50 | Slope | 0.37 | | |
| 19B: | | | | | | | |
| Hawksbill | 85 | Very limited | | Very limited | | Very limited | |
| | | Flooding | 1.00 | Cutbanks cave | 1.00 | Content of large | 1.00 |
| | | Content of large | 1.00 | Content of large | 1.00 | stones | 0.00 |
| | | stones Frost action | 0.50 | stones Flooding | 0.60 | Flooding Droughty | 0.60 0.02 |
| Wet spots | 5 | Not Rated | | Not Rated | | Not Rated | |
| | ŭ | Horridou | | Not Hatou | | Hot Hatou | |
| 20B: | 00 | Mama linaika d | | Manus limaita d | | Mamilianita d | |
| Hawksbill | 90 | Very limited | 4.00 | Very limited | 4.00 | Very limited | 4.00 |
| | | Flooding | 1.00 | Cutbanks cave | 1.00 | Content of large stones | 1.00 |
| | | Content of large stones | 1.00 | Content of large stones | 1.00 | Flooding | 0.60 |
| | | Frost action | 0.50 | Flooding | 0.60 | Gravel content | 0.37 |
| Wet spots | 5 | Not Rated | | Not Rated | | Not Rated | |
| 20C: | | | | | | | |
| Hawksbill | 90 | Very limited | | Very limited | | Very limited | |
| | | Flooding | 1.00 | Cutbanks cave | 1.00 | Content of large | 1.00 |
| | | Content of large | 1.00 | Content of large | 1.00 | stones | |
| | | stones | | stones | | Flooding | 0.60 |
| | | Frost action | 0.50 | Flooding | 0.60 | Slope | 0.37 |
| 21D: | | | | | | | |
| Lew | 85 | Very limited | | Very limited | | Very limited | |
| | | Content of large stones | 1.00 | Content of large stones | 1.00 | Content of large stones | 1.00 |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | Cutbanks cave | 0.10 | Gravel content | 0.01 |
| 22E: | | | | | | | |

| | Map Symbol and Soil Name | Pct of | Local Roads and Streets | | Shallow Excavations | | Lawns and Landscaping | |
|--|-----------------------------|-------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| Lew | and con Name | Map Unit | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| Slope | | | | | | | | |
| Content of large stones 1.00 Content of large stones stones 1.00 Content of large stones stones 1.00 Cutbanks cave 0.10 Gravel content 0.00 | Lew | 90 | - | | - | | - | 4.00 |
| Stones S | | | • | | • | | • | 1.00 |
| Shrink-swell 0.50 | | | | 1.00 | | 1.00 | | 1.00 |
| Lodi | | | | 0.50 | | 0.10 | | 0.01 |
| Low strength | 23B: | | | | | | | |
| Low strength | | 75 | Very limited | | Somewhat limited | | Not limited | |
| Shrink-swell 0.50 Culbanks cave 0.10 | | | - | 1.00 | Too clayey | 0.28 | | |
| 23C: | | | - | 0.50 | | 0.10 | | |
| Lodi | | | Frost action | 0.50 | | | | |
| Lodi | 23C: | | | | | | | |
| Low strength 1.00 Slope 0.37 Slope 0.28 Shrink-swell 0.50 Too clayey 0.28 Shrink-swell 0.50 Too clayey 0.28 Shrink-swell 0.50 Cutbanks cave 0.10 Slope 0.28 Slope 1.00 Slope | | 75 | Very limited | | Somewhat limited | | Somewhat limited | |
| Shrink-swell 0.50 Too clayey 0.28 | | | - | 1.00 | Slope | 0.37 | Slope | 0.37 |
| 23D: Lodi | | | - | 0.50 | · | 0.28 | · | |
| Lodi | | | Frost action | 0.50 | | 0.10 | | |
| Lodi | 23D: | | | | | | | |
| Low strength Shrink-swell | | 85 | Very limited | | Very limited | | Very limited | |
| Low strength Shrink-swell 1.00 Too clayey 0.28 0.10 | | | - | 1.00 | - | 1.00 | - | 1.00 |
| 24B: | | | | 1.00 | | 0.28 | · | |
| Lodi | | | _ | 0.50 | | 0.10 | | |
| Low strength 1.00 Too clayey 0.28 Shrink-swell 0.50 Cutbanks cave 0.10 | 24B: | | | | | | | |
| Shrink-swell 0.50 Cutbanks cave 0.10 | | 85 | Very limited | | Somewhat limited | | Not limited | |
| 24C: Lodi | | | Low strength | 1.00 | Too clayey | 0.28 | | |
| 24C: Lodi | | | Shrink-swell | 0.50 | Cutbanks cave | 0.10 | | |
| Lodi | | | Frost action | 0.50 | | | | |
| Low strength 1.00 Slope 0.37 Slope 0.28 Shrink-swell 0.50 Too clayey 0.28 Frost action 0.50 Cutbanks cave 0.10 24D: | 24C: | | | | | | | |
| Shrink-swell 0.50 Too clayey 0.28 | Lodi | 80 | Very limited | | Somewhat limited | | Somewhat limited | |
| Frost action | | | Low strength | 1.00 | Slope | 0.37 | Slope | 0.37 |
| 24D: Lodi 90 Very limited Very limited Very limited Slope 1.00 Slope 1.00 Slope 1 Low strength 1.00 Too clayey 0.28 0.10 25C: Lodi 70 Very limited Somewhat limited Somewhat limited Low strength 1.00 Slope 0.37 Slope 0 Shrink-swell 0.50 Too clayey 0.28 0.10 Frost action 0.50 Cutbanks cave 0.10 | | | Shrink-swell | 0.50 | Too clayey | 0.28 | | |
| Lodi 90 Very limited Very limited Very limited Slope 1.00 Slope 1.00 Slope 1 Low strength 1.00 Too clayey 0.28 0.10 0.10 25C: Lodi 70 Very limited Somewhat limited Somewhat limited Somewhat limited Low strength 1.00 Slope 0.37 Slope 0 Shrink-swell 0.50 Too clayey 0.28 0.28 Frost action 0.50 Cutbanks cave 0.10 | | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| Slope | 24D: | | | | | | | |
| Low strength 1.00 Too clayey 0.28 Shrink-swell 0.50 Cutbanks cave 0.10 25C: Lodi 70 Very limited Somewhat limited Somewhat limited Low strength 1.00 Slope 0.37 Slope 0 Shrink-swell 0.50 Too clayey 0.28 Frost action 0.50 Cutbanks cave 0.10 | Lodi | 90 | Very limited | | Very limited | | Very limited | |
| Shrink-swell 0.50 Cutbanks cave 0.10 25C: Lodi 70 Very limited Somewhat limited Somewhat limited Low strength 1.00 Slope 0.37 Slope 0 Shrink-swell 0.50 Too clayey 0.28 Frost action 0.50 Cutbanks cave 0.10 | | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| 25C: Lodi 70 Very limited Somewhat limited Somewhat limited Low strength 1.00 Slope 0.37 Slope 0 Shrink-swell 0.50 Too clayey 0.28 Frost action 0.50 Cutbanks cave 0.10 | | | Low strength | 1.00 | Too clayey | 0.28 | | |
| Lodi 70 Very limited Somewhat limited Somewhat limited Low strength 1.00 Slope 0.37 Slope 0 Shrink-swell 0.50 Too clayey 0.28 Frost action 0.50 Cutbanks cave 0.10 | | | Shrink-swell | 0.50 | Cutbanks cave | 0.10 | | |
| Lodi 70 Very limited Somewhat limited Somewhat limited Low strength 1.00 Slope 0.37 Slope 0 Shrink-swell 0.50 Too clayey 0.28 Frost action 0.50 Cutbanks cave 0.10 | 25C: | | | | | | | |
| Shrink-swell 0.50 Too clayey 0.28 Frost action 0.50 Cutbanks cave 0.10 | | 70 | Very limited | | Somewhat limited | | Somewhat limited | |
| Shrink-swell 0.50 Too clayey 0.28 Frost action 0.50 Cutbanks cave 0.10 | | | Low strength | 1.00 | Slope | 0.37 | Slope | 0.37 |
| | | | - | 0.50 | | | • | |
| 2ED: | | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| 7:117 | 25D: | | | | | | | |

| Map Symbol and Soil Name | Pct of | Local Roads and Streets | | Shallow Excavations | | Lawns and Landscaping | |
|-----------------------------|-------------|---------------------------------------|--------------|---------------------------------------|--------------|---------------------------------------|-------|
| and Soil Name | Map Unit | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 25D: | | | | | | | |
| Lodi | 75 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Low strength Shrink-swell | 1.00 0.50 | Too clayey Cutbanks cave | 0.28 0.10 | | |
| 26C: | | | | | | | |
| Lodi | 50 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Too clayey | 0.28 | Slope | 0.04 |
| | | Shrink-swell | 0.50 | Cutbanks cave | 0.10 | | |
| | | Frost action | 0.50 | Slope | 0.04 | | |
| Rock outcrop | 30 | Not Rated | | Not Rated | | Not Rated | |
| 26E: | | | | | | | |
| Lodi | 50 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Low strength | 1.00 | Too clayey | 0.28 | | |
| | | Shrink-swell | 0.50 | Cutbanks cave | 0.10 | | |
| Rock outcrop | 30 | Not Rated | | Not Rated | | Not Rated | |
| 27B: | | | | | | | |
| Millrock | 95 | Very limited | | Very limited | | Very limited | |
| | | Flooding | 1.00 | Cutbanks cave | 1.00 | Flooding | 1.00 |
| | | | | Flooding | 0.80 | Droughty | 0.92 |
| Wet spots | 3 | Not Rated | | Not Rated | | Not Rated | |
| 28B: | | | | | | | |
| Monongahela | 85 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Depth to thick cemented pan | 0.90 | Depth to thick cemented pan | 1.00 | Depth to cemented pan | 0.90 |
| | | Frost action | 0.50 | Depth to saturated | 1.00 | Depth to saturated | 0.03 |
| | | Low strength | 0.22 | zone | | zone | |
| | | | | Cutbanks cave | 0.10 | | |
| Purdy | 5 | Not Rated | | Not Rated | | Not Rated | |
| 28C: | | | | | | | |
| Monongahela | 85 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Depth to thick cemented pan | 0.90 | Depth to thick cemented pan | 1.00 | Depth to cemented pan | 0.90 |
| | | Frost action | 0.50 | Depth to saturated | 1.00 | Slope | 0.37 |
| | | Slope | 0.37 | zone Slope | 0.37 | Depth to saturated zone | 0.03 |
| Purdy | 5 | Not Rated | | Not Rated | | Not Rated | |
| | | | | | | | |

| Map Symbol and Soil Name | Pct of | Local Roads and Streets | | Shallow Excavations | | Lawns and Landscaping | |
|-----------------------------|-------------|---------------------------------------|--------------|---------------------------------------|--------------|---------------------------------------|--------------|
| u 33 | Map Unit | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 29C: | | | | | | | <u> </u> |
| Montalto | 80 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Slope | 0.37 | Slope | 0.37 |
| | | Shrink-swell Frost action | 0.50 0.50 | Cutbanks cave | 0.10 | Content of large stones | 0.03 |
| 200 | | 1 Took dollon | 0.00 | | | | |
| 30C: | 90 | Compulat limited | | Compulat limited | | Computat limited | |
| Myersville | 80 | Somewhat limited | 0.50 | Somewhat limited | 0.27 | Somewhat limited | 0.27 |
| | | Frost action Slope | 0.50 0.37 | Slope Cutbanks cave | 0.37 0.10 | Slope | 0.37 |
| 200. | | · | | | | | |
| 30D: Myersville | 80 | Very limited | | Very limited | | Very limited | |
| Wyerovine | 00 | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Оюрс | 1.00 |
| 31C: | | | | | | | |
| Myersville | 50 | Somewhat limited | | Somewhat limited | | Somewhat limited | |
| , | | Frost action | 0.50 | Slope | 0.37 | Slope | 0.37 |
| | | Slope | 0.37 | Cutbanks cave | 0.10 | | |
| Catoctin | 40 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Depth to hard bedrock | 0.46 | Depth to hard bedrock | 1.00 | Droughty | 0.79 |
| | | Slope | 0.37 | Slope | 0.37 | Depth to bedrock | 0.46 |
| | | | | Cutbanks cave | 0.10 | Slope | 0.37 |
| 31D: | | | | | | | |
| Myersville | 50 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| Catoctin | 40 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Depth to hard bedrock | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 0.46 | Slope | 1.00 | Droughty | 0.79 |
| | | | | Cutbanks cave | 0.10 | Depth to bedrock | 0.46 |
| 31E: | | | | | | | |
| Myersville | 50 | Very limited | | Very limited | | Very limited | |
| | | Slope Frost action | 1.00 0.50 | Slope Cutbanks cave | 1.00 0.10 | Slope | 1.00 |
| | | | 0.00 | | 0.10 | | |
| Catoctin | 45 | Very limited | 4.00 | Very limited | 4.00 | Very limited | 4.00 |
| | | Slope Depth to hard bedrock | 1.00 0.46 | Depth to hard bedrock Slope | 1.00 1.00 | Slope Droughty | 1.00 0.79 |
| | | Deptil to hard bedrock | 0.40 | Cutbanks cave | 0.10 | Depth to bedrock | 0.79 |
| 32C: | | | | | | | |
| Myersville | 50 | Somewhat limited | | Somewhat limited | | Somewhat limited | |
| , | | Frost action | 0.50 | Slope | 0.37 | Slope | 0.37 |
| | | Slope | 0.37 | Cutbanks cave | 0.10 | • | |
| | | • | | | | | |

| Map Symbol and Soil Name | Pct of | Local Roads and Streets | | Shallow Excavations | | Lawns and Landscaping | |
|-----------------------------|-------------|---------------------------------------|--------------|---------------------------------------|--------------|---------------------------------------|-------|
| and con reame | Map Unit | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 32C: | • | | | | • | | |
| Montalto | 40 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Slope | 0.37 | Slope | 0.37 |
| | | Shrink-swell Frost action | 0.50 0.50 | Cutbanks cave | 0.10 | Content of large stones | 0.03 |
| 32D: | | | | | | | |
| Myersville | 50 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| Montalto | 40 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Low strength Shrink-swell | 1.00 0.50 | Cutbanks cave | 0.10 | Content of large stones | 0.03 |
| 32E: | | | | | | | |
| Myersville | 50 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| Montalto | 40 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Low strength Shrink-swell | 1.00 0.50 | Cutbanks cave | 0.10 | Content of large stones | 0.03 |
| 33: | | | | | | | |
| Newark | 85 | Very limited | | Very limited | | Very limited | |
| | | Frost action | 1.00 | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Flooding Low strength | 1.00 1.00 | Flooding | 0.60 | Flooding | 0.60 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | | |
| Wet spots | 5 | Not Rated | | Not Rated | | Not Rated | |
| 34: | | | | | | | |
| Pits | 100 | Not Rated | | Not Rated | | Not Rated | |
| 35: | | | | | | | |
| Purdy | 85 | Very limited | 4.00 | Very limited | 4.00 | Very limited | 4.00 |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Frost action | 1.00 | Cutbanks cave | 0.10 | | |
| | | Low strength | 1.00 | Too clayey | 0.03 | | |
| 36E: | 0.5 | Vany limited | | Varylimitad | | Vany limited | |
| Rigley | 85 | Very limited | 1.00 | Very limited | 1 00 | Very limited Slope | 1.00 |
| | | Slope Frost action | 1.00 | Slope Cutbanks cave | 1.00 0.10 | Content of large stones | <0.01 |

| Map Symbol and Soil Name | Pct of | Local Roads and Streets | | Shallow Excavations | | Lawns and Landscaping | |
|-----------------------------|-------------|---------------------------------------|--------------|---------------------------------------|--------------|---------------------------------------|-------|
| and contraine | Map Unit | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 37D: | 00 | N | | | | | |
| Rigley | 60 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Slope | 1.00 |
| | | Frost action | 1.00 | Cutbanks cave | 0.10 | Content of large stones | <0.01 |
| Berks | 15 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Depth to hard bedrock | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 0.46 | Slope | 1.00 | Droughty | 0.96 |
| | | | | Cutbanks cave | 0.10 | Depth to bedrock | 0.46 |
| Weikert | 15 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Droughty | 1.00 |
| 38B: | | | | | | | |
| Sequoia | 80 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Depth to soft bedrock | 0.46 | Depth to bedrock | 0.46 |
| | | Shrink-swell | 0.50 | Too clayey Cutbanks cave | 0.28 0.10 | | |
| 38C: | | | | | | | |
| Sequoia | 80 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Depth to soft bedrock | 0.46 | Depth to bedrock | 0.46 |
| | | Shrink-swell Slope | 0.50 0.37 | Slope Too clayey | 0.37 0.28 | Slope | 0.37 |
| 000 | | | | , . , | | | |
| 39B: Unison | 80 | Very limited | | Somewhat limited | | Not limited | |
| 31113611 | 00 | Low strength | 1.00 | Cutbanks cave | 0.10 | Not illilited | |
| | | Shrink-swell | 0.50 | | 00 | | |
| | | Frost action | 0.50 | | | | |
| 39C: | | | | | | | |
| Unison | 80 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Slope | 0.37 | Slope | 0.37 |
| | | Shrink-swell | 0.50 | Cutbanks cave | 0.10 | | |
| | | Frost action | 0.50 | | | | |
| 39D: | | | | | | | |
| Unison | 80 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Low strength Shrink-swell | 1.00 0.50 | Cutbanks cave | 0.10 | | |
| 40C: | | | | | | | |



| Map Symbol and Soil Name | Pct of | Local Roads and Streets | | | | Lawns and Landscaping | |
|-----------------------------|-------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| and Son Name | Map Unit | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 40C: | | | | | | | |
| Unison | 75 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Slope | 0.37 | Slope | 0.37 |
| | | Shrink-swell | 0.50 | Cutbanks cave | 0.10 | Content of large | 0.20 |
| | | Frost action | 0.50 | | | stones | |
| 41C: | | | | | | | |
| Weikert | 55 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Frost action | 0.50 | Slope | 0.37 | Droughty | 1.00 |
| | | Slope | 0.37 | Cutbanks cave | 0.10 | Slope | 0.37 |
| Berks | 35 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Depth to hard bedrock | 0.46 | Depth to hard bedrock | 1.00 | Droughty | 0.96 |
| | | Slope | 0.37 | Slope | 0.37 | Depth to bedrock | 0.46 |
| | | · | | Cutbanks cave | 0.10 | Slope | 0.37 |
| 41D: | | | | | | | |
| Weikert | 50 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Droughty | 1.00 |
| Berks | 40 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Depth to hard bedrock | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 0.46 | Slope | 1.00 | Droughty | 0.96 |
| | | | | Cutbanks cave | 0.10 | Depth to bedrock | 0.46 |
| Wet spots | 3 | Not Rated | | Not Rated | | Not Rated | |
| 41E: | | | | | | | |
| Weikert | 55 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Droughty | 1.00 |
| Berks | 45 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Depth to hard bedrock | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 0.46 | Slope | 1.00 | Droughty | 0.96 |
| | | | | Cutbanks cave | 0.10 | Depth to bedrock | 0.46 |
| 42B: | | | | | | | |
| Zoar | 85 | Very limited | | Very limited | | Somewhat limited | |
| | | Low strength | 1.00 | Depth to saturated | 1.00 | Depth to saturated | 0.19 |
| | | Shrink-swell | 0.50 | zone | | zone | |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| W: | | | | | | | |
| Water | 100 | Not Rated | | Not Rated | | Not Rated | |
| | | | | | | | |

